

# CM89-EZ

8" Coax, in-ceiling, ported,  
High SPL

**SOUNDTUBE**  
ENTERTAINMENT



## Specifications: CM89-EZ

## Mounting hardware included

Nominal Impedance	8 ohm
Impedance (min)	8.0 ohm
Sensitivity dB @ 2.83V/1M	93.0dB
Sensitivity dB @ 1W/1M (2)	93.0dB
Frequency Response ( $\pm 3$ dB)	119 Hz - 22 kHz
Frequency Response ( $\pm 10$ dB)	91 Hz - 22 kHz
Max. Program Power	150W
Max. Continuous Power RMS	75W
Max. Power SPL @ 1 M	112.0dB
Tap Selector	6 Position rotary switch with transformer bypass
70.7 Volt Transformer Taps	64w / 111.0dB
100 Volt Transformer Taps (dB)	64w / 111.0dB
25 Volt Transformer Taps (dB)	8w / 102.0dB
Transformer Options	25 / 70.7 / 100 Volt 8 Ohm direct
Transducer - Low Frequency Driver	8" Treated Paper Cone w/ Cloth Surround
Transducer - High Frequency Driver	1" Titanium Dome
Network Type: Low Pass	12dB per octave, 2nd order
Network Type: High Pass	12dB per octave, 2nd order
Angle	74
Coverage Angle (-6 dB @ 2 kHz)	74
Colors	Black / White / Custom
Connections	4 position ceramic terminal connector
Inputs	4 position ceramic terminal connector
Backcan Diameter	245.6 mm / 9.67 in
Backcan Height	203.2 mm / 8 in
Visible Diameter	298.5 mm / 10.5 in
Visible Height	8.6 mm / 0.34 in
Mounting Hole Diameter	266.7 mm / 10.5 in
Weight	4.1 kg / 9 lb
Shipping Weight	4.5 kg / 10 lb
Accessories Optional	Pre-Construction Bracket (AC-CMEZ6/8-PCB)
Packaging	1 per box
Regulatory - UL	Approved 1480 & 2043

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Regulatory - CE

Approved

Regulatory - RoHS

approved

Regulatory - IP

not planned

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## Description

One 8.0 inch (203 mm) Treated paper cone, treated cloth surround woofer and one 1.0 inch (25 mm) titanium dome tweeter with 75° waveguide. Easy-access six-position tap switch for 25/70.7/100-volt and transformer bypass settings allows for easy ordering, stocking and installation. Ceramic input terminal accepts up to 10 gauge plenum rated signal wire and includes thermal fuse. Suitable for use in voice alarm applications subject to EU regulations EN60849 and BS5839-8. Incorporates a painted steel grille for lasting durability. Ceramic input terminal accepts up to 10 gauge plenum rated signal wire and includes thermal fuse. Suitable for use in voice alarm applications subject to EU regulations EN60849 and BS5839-8. Adaptable to material thicknesses ranging from 0.035 inch (0.9 mm) to 1.6 inch (40.6 mm). UL 1480 and 2043 listed. Included accessories: Tile bridge, UL listed 0.5-inch conduit clamp, paint shield.

## Patented

## SoundTube Technologies

SoundTube and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

## Technical Data and Specification Tools

### Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at [www.soundtube.com](http://www.soundtube.com). Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and

architectural specs for system engineers  
SoundTubeSPEC™ -  
Proprietary speaker placement software

## Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs ([www.nwaalabs.com](http://www.nwaalabs.com)) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

## Architectural Specifications

No specifications currently.

### SoundTube

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<http://soundtube.mseaudio.com>  
All SoundTube products come with a 5-year limited warranty.

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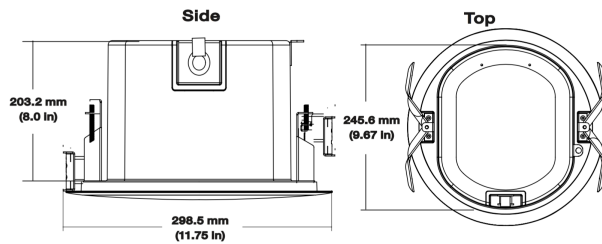
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## Mechanical Drawings



## Included Accessories



**Tile Bridge (?)**

## Optional Accessories

**Pre-Construction Bracket (AC-CMEZ6/8-PCB)**